

# Converting Colors

XYZ(86.7354, 76.9479,  
172.4795)

Have a look what the booklet for  
XYZ(86.7354, 76.9479, 172.4795)  
contains.

<b>XYZ(73.7751, 71.6440, 104.5481)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(73.7751, 71.6440,  
104.5481)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3D6FF
RGB	227, 214, 255
RGB Percent	89%, 84%, 100%
CMY	0.1098, 0.1608, 0.0000
CMYK	0.11, 0.16, 0.00, 0.00
HSL	259°, 100%, 92%
HSV	259°, 16%, 100%
XYZ	73.7751, 71.6440, 104.5481
YIQ	222.5610, -5.4130, 15.5070

# Conversions

## Conversions Part 2

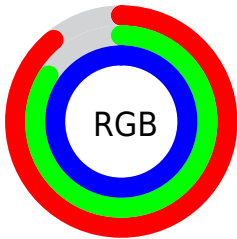
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	227, 214, 255
Decimal	14931711
CIE <sub>Lab</sub>	87.80, 12.11, -18.35
CIE <sub>LCh</sub>	88, 21.984, 303.419
Yxy	71.6440, 0.2951, 0.2866
Android (android.graphics.Color)	4293121791 (0xFFE3D6FF)
YUV	222.5610, 15.9924, 3.8930
Hunter-Lab	84.6428, 7.4567, -13.9832

# Details

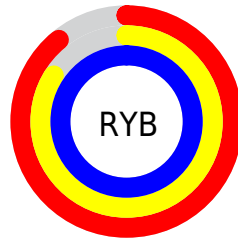
The XYZ color **73.7751, 71.6440, 104.5481** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.5172, 95.2531, 77.5528**, and the grayscale version is **69.7227, 73.3537, 79.8821**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.3858, 37.5314, 58.5945** is the 20% darker color. If you saturate the color by 10%, you get **62.6021, 57.0436, 102.3188**, and if you desaturate by 10%, it is **86.5179, 88.5570, 107.1410**.

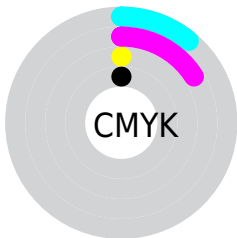
# Distribution



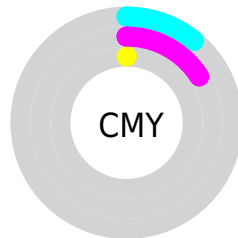
- Red (89%)
- Green (84%)
- Blue (100%)



- Red (89%)
- Yellow (84%)
- Blue (100%)



- Cyan (11%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (16%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.7751, 71.6440, 104.5481 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 73.7751, 71.6440, 104.5481 by changing the saturation by 10% instead.



73.7751, 71.6440,  
104.5481

73.7751, 71.6440,  
104.5481

462.7591,  
466.3015, 596.0487

54.9006, 52.8679,  
79.4663

123.5742,  
121.5503, 169.4996

39.5557, 37.6973,  
58.7557

155.2294,  
153.4492, 210.2063

27.3750, 25.7479,  
41.9977

191.8757,  
190.4913, 256.9584

17.9931, 16.6351,  
28.7740

233.8783,  
233.0608, 310.1745

11.0447, 9.9747,  
18.6658

281.6026,  
281.5422, 370.2730

6.1644, 5.3822,  
11.2547

335.4139,

2.9869, 2.4732,

336.3198, 437.6725

6.1221

395.6776,  
397.7782, 512.7916

■ 1.1468, 0.8632,  
2.8495

■ 0.0638, 0.0000,  
1.0183

■ 73.7751, 71.6440,  
104.5481

■ 73.7751, 71.6440,  
104.5481

■ 62.6021, 57.0436,  
102.3188

■ 86.5179, 88.5570,  
107.1410

■ 52.9297, 44.6450,  
100.4354

95.0500, 100.0000,  
108.9000

■ 44.6921, 34.3410,  
98.8807

■ 37.8159, 26.0118,  
97.6354

■ 32.2208, 19.5254,  
96.6783

■ 27.8174, 14.7329,  
95.9853

■ 24.5028, 11.4610,  
95.5285

■ 22.1527, 9.4962,  
95.2731

■ 21.4301, 8.9625,  
95.2082

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.6959, 71.6440, 110.3686



73.7751, 71.6440, 104.5481



77.4730, 71.6440, 91.5921

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.7751, 71.6440, 104.5481



72.6867, 71.6440, 55.0191



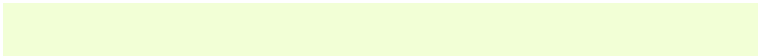
58.5586, 71.6440, 79.7353

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



73.7751, 71.6440, 104.5481



84.5172, 95.2531, 77.5528

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



59.5070, 71.6440, 65.8384



73.7751, 71.6440, 104.5481



67.4985, 71.6440, 52.6858

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.7751, 71.6440, 104.5481



76.8223, 71.6440, 63.2216



62.7151, 71.6440, 56.3889



60.0559, 71.6440, 94.9372



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.7751, 71.6440, 104.5481



78.5623, 71.6440, 81.3495



62.7151, 71.6440, 56.3889



58.6022, 71.6440, 74.7596

# Sweetspot

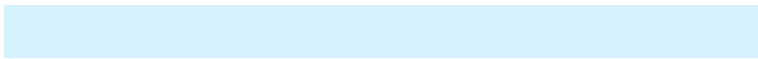
The Sweet Spot groups the original color and five complimentary colors.



73.7771, 71.6469, 104.5485



87.9852, 90.5189, 107.4423



77.5406, 85.0320, 106.9337



18.6270, 19.1000, 22.9549



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.7771, 71.6469, 104.5485



70.3508, 67.1434, 103.8598



80.6266, 75.1780, 104.8691



17.5450, 17.6572, 22.7334



11.3335, 4.7531, 49.7547



1.2111, 0.5183, 4.8495



# Inverse Universe

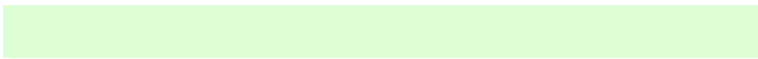
The Inverse Universe completely reimagines the original color for something new.



81.3153, 75.7667, 94.3453



79.1186, 71.9378, 91.8728



77.8759, 91.8293, 77.2420



18.5332, 18.1966, 21.4250



25.6195, 12.7371, 22.4447



2.5441, 1.2600, 2.4468



# Previews

## White Background



This preview shows how the XYZ color 73.7751, 71.6440, 104.5481 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

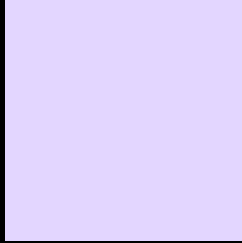
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.7751, 71.6440, 104.5481 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

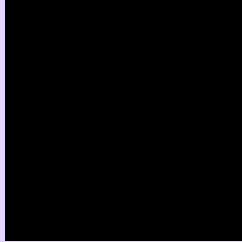
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 73.7751, 71.6440, 104.5481

## Background



This preview shows how black text looks on a background with the XYZ color 73.7751, 71.6440, 104.5481.



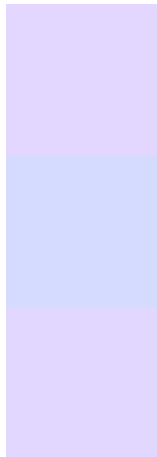
This preview shows how white text looks on a background with the XYZ color 73.7751, 71.6440,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

73.7751, 71.6440, 104.5481

### Protanopia

70.5620, 71.5089, 104.6913

### Deuteranopia

73.4018, 71.8284, 104.6033



## Tritanopia

70.8073, 71.9883, 88.7604

# Trichromacy



## Original Color

73.7751, 71.6440, 104.5481

## Protanomaly

71.7763, 71.7511, 104.6741

## Deuteranomaly

73.7145, 71.9896, 104.6180

## Tritanomaly

71.8912, 72.0441, 94.1212

# Monochromacy



## Original Color

73.7751, 71.6440, 104.5481

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

71.3291, 73.0319, 88.9344

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.7751, 71.6440, 104.5481 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(227, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 214, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(227, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 214, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 73.7751, 71.6440, 104.5481 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 214, 255) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(227, 214, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(227, 214, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 214,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.7751, 71.6440, 104.5481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 214, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(227,  
214, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor